

Claims

1. A teaching device for an automatic cutting machine having a cutting table and a cutting area on the table for placing a sheet within the area, the teaching device, upon the designation of at least two teaching points on the sheet, computing a position and a slope of the sheet to the cutting area, correcting marking data in accordance with the position and the slope of the sheet, and cutting the sheet with corrected marking data, said teaching device being characterized

by a monitor displaying cutting information and

by image processing means for making an image of the cutting area displayed on said monitor and for composing a cutting pattern according to the corrected marking data with the image of the cutting area on a corresponding position.

2. A teaching device for an automatic cutting machine according to claim 1, being characterized in that, after designation of the teaching points and the correction of the marking data, whether the cutting pattern is contained within the cutting area is judged by judgement means and that, when the cutting pattern is not entirely contained within the cutting area, an error is judged and a portion out of the cutting area of the cutting pattern is made recognizable displayed on the monitor.

3. A teaching device for an automatic cutting machine according to claim 2, being characterized in that the cutting table can move the sheet in a longitudinal direction of the cutting area with driving a conveyor, and that subsidiary means for computing a length of said cutting pattern extending out of an edge of the cutting area, upon judgment by the judgment means of the error, and for driving the conveyor for at least said length, when the sheet can be replaced within the cutting area by the movement of the sheet, is provided.

4. A teaching device for an automatic cutting machine according to claim 2, being characterized by subsidiary means for evaluating whether movement of the marking data in position makes the cutting pattern within the cutting area, when the error is judged by the judgement means, and for correcting the marking data so as to confine the cutting pattern within the cutting area, when the movement is evaluated possible.

5. A teaching device for an automatic cutting machine having a cutting table and a cutting area on the table for placing a sheet within the area, the teaching device, upon

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the designation of at least two teaching points on the sheet, computing a position and a slope of the sheet to the cutting area, correcting marking data in accordance with the position and the slope of the cutting sheet, and cutting the sheet with corrected marking data, said teaching device being characterized

by judgement means for judging whether the cutting pattern is contained within the cutting area, after designation of the teaching points and the correction of the marking data, and

by subsidiary means for evaluating whether movement of the marking data in position makes the cutting pattern within the cutting area, when the error is judged by the judgement means, and for correcting the marking data so as to confine the cutting pattern within the cutting area, when the movement is evaluated possible.

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